CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

1/12

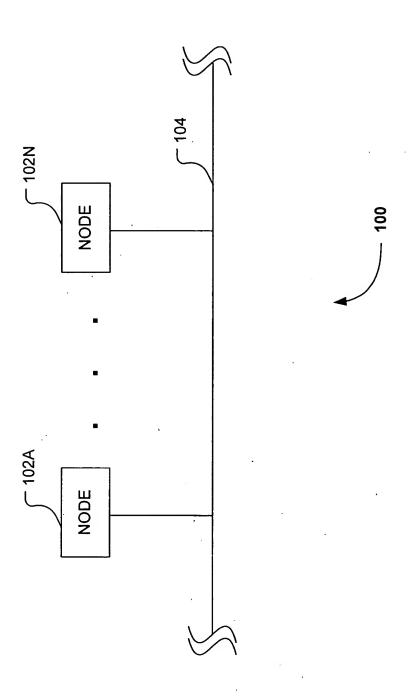
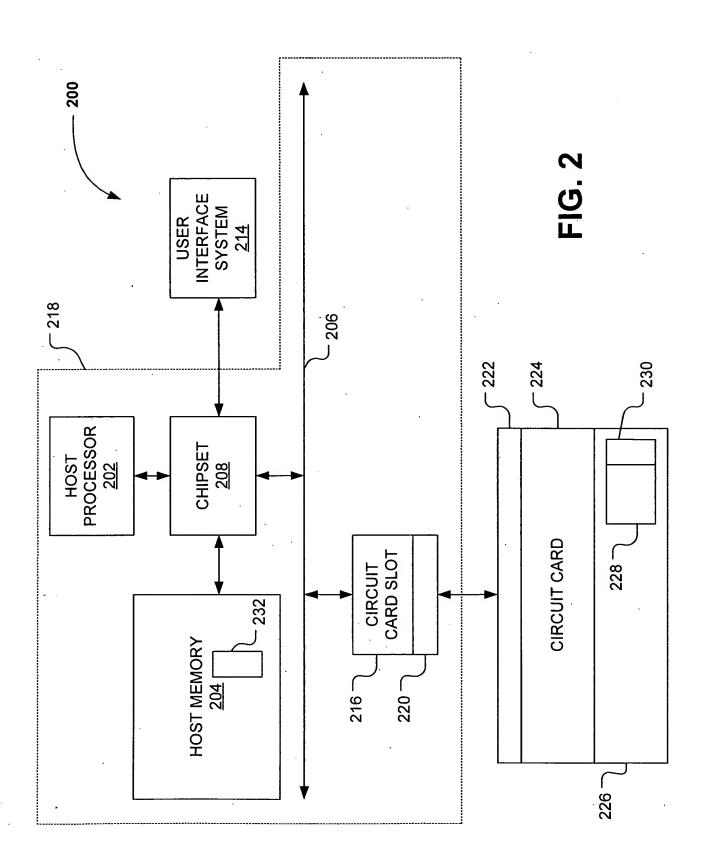


FIG. 1

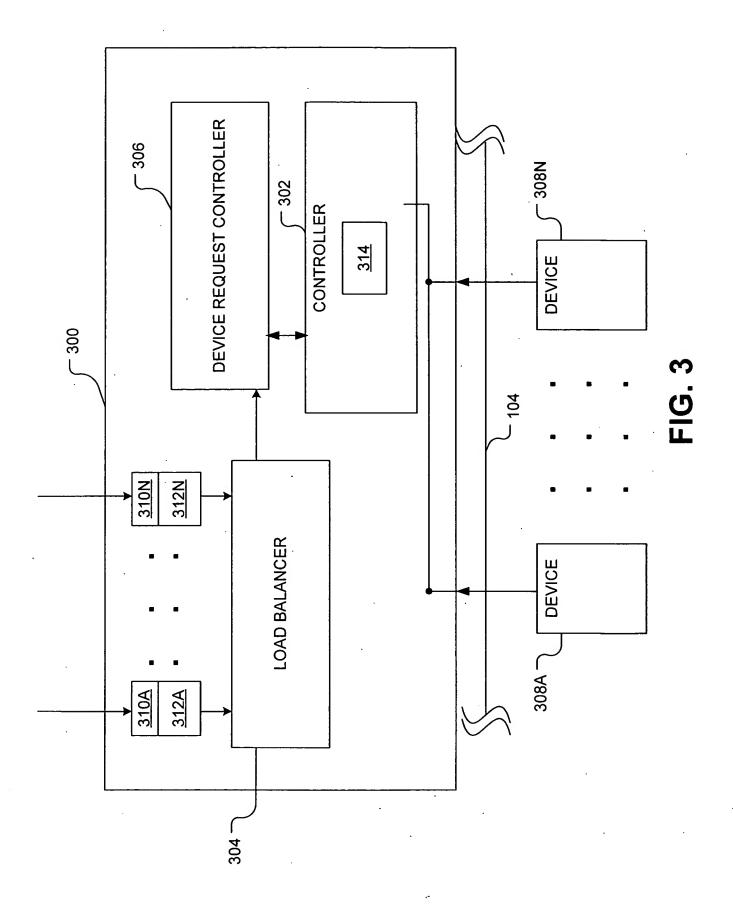
TITLE: LOAD BALANCING DEVICE COMMUNICATIONS INVENTOR: CHET R. DOUGLAS ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601



ATTORNEY DOCKET No.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601



TITLE: LOAD BALANCING DEVICE COMMUNICATIONS

INVENTOR: CHET R. DOUGLAS
ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

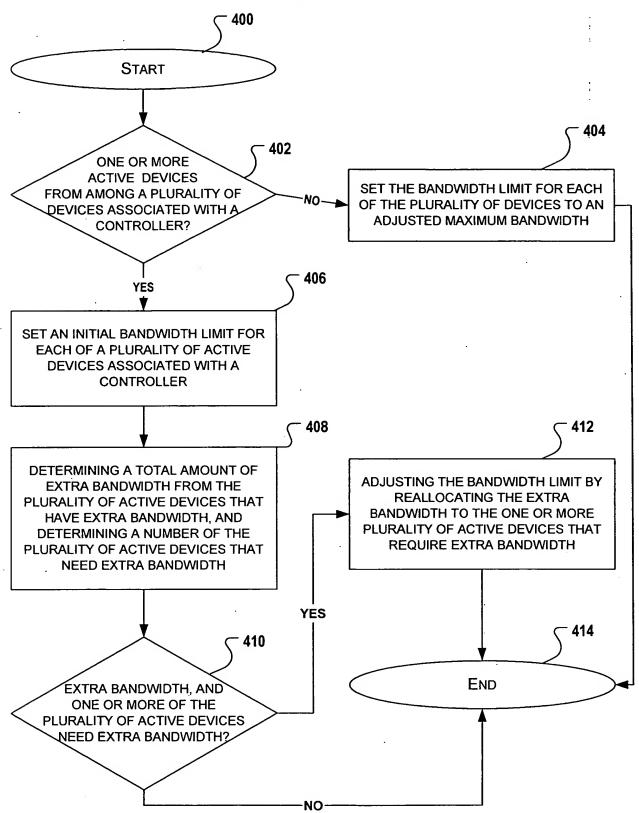


FIG. 4

ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

BANDWIDTH[508]

= 0 (552)

REQUESTED

TOTAL

PRIORITY[508]

PRIORITY[502] =

PRIORITY[500] =

500

0(510)

502

0 (520)

508

0 (550)

5/12

BANDWIDTH[508]

= 0 (554)

QUEUE

BANDWIDTH[508]

BANDWIDTH[502]

BANDWIDTH[500]

= 0 516

ACTIVE

= 5 526

ACTIVE

BANDWIDTH[502]

BANDWIDTH[500]

QUEUE

= 10 (514)

= 0 (524)

QUEUE

<u>556</u>

ACTIVE

DEVICE COUNT = 4 999

MIN BANDWIDTH = 10

RES BANDWIDTH = 2 562

MAX BANDWIDTH = 82

560

564

504 PRIORITY[504] = 0 (530) TOTAL REQUESTED BANDWIDTH[504] = 60 (532) QUEUE BANDWIDTH[504] = 40 (534) ACTIVE BANDWIDTH[504] = 20 E 20 E 20 E 20	<u> 206</u>	PRIORITY[506] = 0 (<u>540)</u>	TOTAL REQUESTED BANDWIDTH[506] = 50 (<u>542)</u>	QUEUE BANDWIDTH[506] = 30 <u>(544)</u>	ACTIVE BANDWIDTH[506] = 20
	504	PRIORITY[504] = 0 (<u>530)</u>	TOTAL REQUESTED BANDWIDTH[504] = 60 (<u>532)</u>	QUEUE BANDWIDTH[504] = 40 <u>(534)</u>	ACTIVE BANDWIDTH[504] = 20

BANDWIDTH[502]

BANDWIDTH[500]

= 10 (512)

TOTAL REQUESTED

= 5 (522)

REQUESTED

TOTAL

ATTORNEY DOCKET No.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

6/12

MAX BANDWIDTH = 82	RES BANDWIDTH = 2		MIN BANDWIDTH = 10	DEVICE COUNT = 4
560	562		564	<u>566</u>
AVG BANDWIDTH = 20 610				
205		504	206	208
PRIORITY[502] = 0 (<u>520)</u>	=	PRIORITY[504] = 0 (530)	PRIORITY[506] = 0 (<u>540)</u>	PRIORITY[508] = 0 (550)
TOTAL)2]	TOTAL	TOTAL	TOTAL
REQUESTED		REQUESTED	REQUESTED	REQUESTED
BANDWIDTH[502]		BANDWIDTH[504]	BANDWIDTH[506]	BANDWIDTH[508]
= 5 (<u>522)</u>		= 60 (<u>532)</u>	= 50 (<u>542)</u>	= 0 (552)
QUEUE	[2]	QUEUE	QUEUE	QUEUE
BANDWIDTH[502]		BANDWIDTH[504]	BANDWIDTH[506]	BANDWIDTH[508]
= 0 (524)		= 40 (534)	= 30 (<u>544)</u>	= 0 (554)
ACTIVE	2	ACTIVE	ACTIVE	ACTIVE
BANDWIDTH[502]		BANDWIDTH[504]	BANDWIDTH[506]	BANDWIDTH[508]
= 5		= 20	= 20	= 0
<u>526</u>		<u>536</u>	<u>546</u>	<u>556</u>
ACTIVE		ACTIVE	ACTIVE	ACTIVE
BANDWIDTH		BANDWIDTH	BANDWIDTH	BANDWIDTH
LIMIT[502] = 20		LIMIT[504] = 20	LIMIT[506] = 20	LIMIT[508] = 0
<u>602</u>		<u>604</u>	<u>606</u>	<u>608</u>

FIG. 6

TITLE: LOAD BALANCING DEVICE COMMUNICATIONS INVENTOR: CHET R. DOUGLAS ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

			•	112		•
DEVICE COUNT = 2 566	PRIORITY COUNT = 0 Z10	508 PRIORITY[508] = 0 (550)	TOTAL REQUESTED BANDWIDTH[508] = 0 (<u>552)</u>	QUEUE BANDWIDTH[508] = 0 (<u>554)</u>	ACTIVE BANDWIDTH[508] = 0 <u>556</u>	ACTIVE BANDWIDTH LIMIT[508] = 0 <u>608</u>
MIN BANDWIDTH = 10 564		506 PRIORITY[506] = 0 (540)	TOTAL REQUESTED BANDWIDTH[506] = 50 (<u>542)</u>	QUEUE BANDWIDTH[506] = 30 (<u>544)</u>	ACTIVE BANDWIDTH[506] = 20 <u>546</u>	ACTIVE BANDWIDTH LIMIT[506] = 20 <u>606</u>
	TOTAL EXTRA BANDWIDTH = 25	504 PRIORITY[504] = 0 (530)	TOTAL REQUESTED BANDWIDTH[504] = 60 (532)	QUEUE BANDWIDTH[504] = 40 (534)	ACTIVE BANDWIDTH[504] = 20 <u>536</u>	ACTIVE BANDWIDTH LIMIT[504] = 20 <u>604</u>
82 RES BANDWIDTH = 2 562		502 PRIORITY[502] = 0 (520)	TOTAL REQUESTED BANDWIDTH[502] = 5 (<u>522)</u> GIVE BW = 15 (702)	QUEUE BANDWIDTH[502] = 0 (<u>524)</u>	ACTIVE BANDWIDTH[502] = 5 <u>526</u>	ACTIVE BANDWIDTH LIMIT[502] = 20 <u>602</u>
MAX BANDWIDTH = 82 $\frac{560}{}$	AVG BANDWIDTH = 20 <u>610</u>	500 PRIORITY[500] = 0 (510)	TOTAL REQUESTED BANDWIDTH[500] = 10 (<u>512)</u> GIVE BW = 10 (700)	QUEUE BANDWIDTH[500] = 10 (514)	ACTIVE BANDWIDTH[500] = 0 <u>516</u>	ACTIVE BANDWIDTH LIMIT[500] = 20 <u>600</u>

FIG. 7

ATTORNEY DOCKET No.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

					8/	12				
DEVICE COUNT = 2 <u>560</u>	PRIORITY COUNT = 0 $\overline{210}$	208	PRIORITY[508] = 0 (<u>550)</u>	TOTAL	BANDWIDTH[508] = 0 (<u>552)</u>	QUEUE BANDWIDTH[508] = 0 <u>(554)</u>	ACTIVE BANDWIDTH[508] = 0	<u> 556</u>	ACTIVE	LIMIT[508] = 0 608
MIN LOAD = 10 564	ADD COUNT = 12 800	206	PRIORITY[506] = 0 (540)	TOTAL	BANDWIDTH[506] = 50 (<u>542)</u>	QUEUE BANDWIDTH[506] = 30 <u>(544)</u>	ACTIVE BANDWIDTH[506] = 20	546	ACTIVE	LIMIT[506] = 32 <u>606</u>
	EXTRA BANDWIDTH = 25 $\frac{712}{112}$	504	PRIORITY[504] = 0 (530)	TOTAL	BANDWIDTH[504] = 60 (<u>532)</u>	QUEUE BANDWIDTH[504] = 40 (534)	ACTIVE BANDWIDTH[504] = 20	236	ACTIVE	$\frac{604}{604}$
 82 RES BANDWIDTH = 2 <u>562</u>	TOTAL	502	PRIORITY[502] = 0 (520)	TOTAL REQUESTED BANDWIDTH[502]	= 5 (522) GIVE BW = 15 (702)	QUEUE BANDWIDTH[502] = 0 (<u>524)</u>	ACTIVE BANDWIDTH[502] = 5	<u>526</u>	ACTIVE	LIMIT[502] = 5 602
MAX BANDWIDTH = 82 <u>560</u>	AVG BANDWIDTH = 20 610	200	PRIORITY[500] = 0 (510)	TOTAL REQUESTED BANDWIDTH[500]	= 10 (<u>512)</u> GIVE BW = 10 (<u>700</u>)	QUEUE BANDWIDTH[500] = 10 (<u>514)</u>	ACTIVE BANDWIDTH[500] = 0	<u>516</u>	ACTIVE	

FIG. 8

BANDWIDTH[908]

QUEUE

= 0 (954)

BANDWIDTH[908]

BANDWIDTH[906]

ACTIVE

956

946

ACTIVE

INVENTOR: CHET R. DOUGLAS

BANDWIDTH[908]

= 0 (952)

REQUESTED

TOTAL

PRIORITY[908]

PRIORITY[902] =

PRIORITY[900] =

900

0 (910)

902

0 (920)

908

0 (920)

DEVICE COUNT = 4

964

MIN BANDWIDTH = 10

RES BANDWIDTH = 2 962

MAX BANDWIDTH = 82

960

BANDWIDTH[906] BANDWIDTH[906] REQUESTED PRIORITY[906] = 50 (942)= 30 (944)QUEUE 1 (940) TOTAL 906 BANDWIDTH[904] **PRIORITY[904] =** BANDWIDTH[904] REQUESTED = 60 (932)QUEUE 0(630) TOTAL 904

BANDWIDTH[902]

BANDWIDTH[900]

= 10 (912)

REQUESTED

TOTAL

= 5 (922)

REQUESTED

TOTAL

BANDWIDTH[904] = 40 (934) ACTIVE

BANDWIDTH[902]

BANDWIDTH[900]

QUEUE

= 10 (914)

QUEUE

= 0 (924)

BANDWIDTH[902]

BANDWIDTH[900]

ACTIVE

926

916

ACTIVE

936

TITLE: LOAD BALANCING DEVICE COMMUNICATIONS INVENTOR: CHET R. DOUGLAS ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

10/12

DEVICE COUNT = 4 <u>966</u>		908 PRIORITY[908] =	TOTAL REQUESTED BANDWIDTH[908] = 0 (952)	QUEUE BANDWIDTH[908] = 0 (<u>954)</u>	ACTIVE BANDWIDTH[908] = 0 <u>956</u>	ACTIVE BANDWIDTH LIMIT[908] = 0 1008
MIN BANDWIDTH = 10 <u>964</u>		90 <u>6</u> PRIORITY[906] =	TOTAL REQUESTED BANDWIDTH[906] = 80 (942)	QUEUE BANDWIDTH[906] = 30 (<u>944)</u>	ACTIVE BANDWIDTH[906] = 20 <u>946</u>	ACTIVE BANDWIDTH LIMIT[906] = 20 1006
		904 PRIORITY[904] =	TOTAL REQUESTED BANDWIDTH[904] = 60 (932)	QUEUE BANDWIDTH[904] = 40 (934)	ACTIVE BANDWIDTH[904] = 20 <u>936</u>	ACTIVE BANDWIDTH LIMIT[904] = 20
32 RES BANDWIDTH = 2 <u>962</u>	20	902 PRIORITY[902] =	TOTAL REQUESTED BANDWIDTH[902] = 5 (922)	QUEUE BANDWIDTH[902] = 0 (<u>924)</u>	ACTIVE BANDWIDTH[902] = 5 <u>926</u>	ACTIVE BANDWIDTH LIMIT[902] = 20 1002
MAX BANDWIDTH = 82 <u>960</u>	AVG BANDWIDTH = 20 1010	900 PRIORITY[900] =	TOTAL REQUESTED BANDWIDTH[900] = 10 (<u>912)</u>	QUEUE BANDWIDTH[900] = 10 (914)	ACTIVE BANDWIDTH[900] = 0 <u>916</u>	ACTIVE BANDWIDTH LIMIT[900] = 20 1000

FIG. 10

TITLE:LOAD BALANCING DEVICE COMMUNICATIONS INVENTOR: CHET R. DOUGLAS ATTORNEY DOCKET NO.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

			1	1/12		
DEVICE COUNT = 2 <u>966</u>	PRIORITY COUNT = 1 1110	908 PRIORITY[908] = 0 (950)	TOTAL REQUESTED BANDWIDTH[908] = 0 (952)	QUEUE BANDWIDTH[908] = 0 (954)	ACTIVE BANDWIDTH[908] = 0 <u>956</u>	ACTIVE BANDWIDTH LIMIT[908] = 0 1008
MIN BANDWIDTH = 10 <u>964</u>		906 PRIORITY[906] = 1 (940)	TOTAL REQUESTED BANDWIDTH[906] = 50 (942)	QUEUE BANDWIDTH[906] = 30 (944)	ACTIVE BANDWIDTH[906] = 20 <u>946</u>	ACTIVE BANDWIDTH LIMIT[906] = 20 1006
BANDWIDTH = 2 $\frac{962}{}$	L EXTRA BANDWIDTH = 25 1112	904 PRIORITY[904] = 0 (930).	TOTAL REQUESTED BANDWIDTH[904] = 60 (<u>932)</u>	QUEUE BANDWIDTH[904] = 40 (934)	ACTIVE BANDWIDTH[904] = 20 <u>936</u>	ACTIVE BANDWIDTH LIMIT[904] = 20 1004
RES	TOTAL	902 PRIORITY[902] = 0 (920)	TOTAL REQUESTED BANDWIDTH[902] = 5 (922) GIVE BW = 15 (1102)	QUEUE BANDWIDTH[902] = 0 (<u>924)</u>	ACTIVE BANDWIDTH[902] = 5 <u>926</u>	ACTIVE BANDWIDTH LIMIT[902] = 20 1002
MAX BANDWIDTH = 82 <u>960</u>	AVG BANDWIDTH = 20 1010	900 PRIORITY[900] = 0 (910)	TOTAL REQUESTED BANDWIDTH[900] = 10 (912) GIVE BW = 10	QUEUE BANDWIDTH[900] = 10 (<u>914)</u>	ACTIVE BANDWIDTH[900] = 0 <u>916</u>	ACTIVE BANDWIDTH LIMIT[900] = 20 1000

FIG. 11

ATTORNEY DOCKET No.: P17149

CONTACT: LIBBY HOPE, 46,774/INTEL CORPORATION/949-498-0601

			1	2/12		
DEVICE COUNT = 2 966	PRIORITY COUNT = 1 1110	908 PRIORITY[908] = 0 (950)	TOTAL REQUESTED BANDWIDTH[908] = 0 (<u>952)</u>	QUEUE BANDWIDTH[908] = 0	ACTIVE BANDWIDTH[908] = 0 <u>956</u>	ACTIVE BANDWIDTH LIMIT[908] = 0 1008
MIN BANDWIDTH = 10 <u>964</u>	ADD COUNT = 25 1200	906 PRIORITY[906] = 1 (940)	TOTAL REQUESTED BANDWIDTH[906] = 50 (<u>942)</u>	QUEUE BANDWIDTH[906] = 30	ACTIVE BANDWIDTH[906] = 20 <u>946</u>	ACTIVE BANDWIDTH LIMIT[906] = 45 1006
	TOTAL EXTRA BANDWIDTH = 25	904 PRIORITY[904] = 0 (930)	TOTAL REQUESTED BANDWIDTH[904] = 60 (<u>932)</u>	QUEUE BANDWIDTH[904] = 40	ACTIVE BANDWIDTH[904] = 20 <u>936</u>	ACTIVE BANDWIDTH LIMIT[904] = 20 1004
RES BANDWIDTH = 2 962		902 PRIORITY[902] = 0 (920)	TOTAL REQUESTED BANDWIDTH[902] = 5 (922) GIVE BW = 15 (1102)	QUEUE BANDWIDTH[902] = 0	ACTIVE BANDWIDTH[902] = 5 <u>926</u>	ACTIVE BANDWIDTH LIMIT[902] = 5 1002
MAX BANDWIDTH = 82 960	AVG BANDWIDTH = 20 1010	900 PRIORITY[900] = 0 (910)	TOTAL REQUESTED BANDWIDTH[900] = 10 (912) GIVE BW = 10 (1100)	QUEUE BANDWIDTH[900] = 10	ACTIVE BANDWIDTH[900] = 0 <u>916</u>	ACTIVE BANDWIDTH LIMIT[900] = 10 1000

ilG. 12